<< Linux Documentation >>

-- Description --

The linux machine serves as a proxy data gathering server for PRTG connecting to each IP address added as a cronjob via telnet, gathering location, Signal and Beam every 5 minutes as well as gathering ping and packet loss data every 30 seconds. Data pulled from each IP address is stored in a MYSQL database (e3db) table (e3tb). Custom PRTG sensors are used to pull the gathered data from the MYSQL database and update the values and messages for each sensor.

Project files are located inside /home/e3admin/e3systems/

```
[e3admin@localhost e3systems] pwd
/home/e3admin/e3systems/
```

```
[e3admin@localhost e3systems] ls
E3systems.sh readme.txt logs documentation scripts sensors css
```

Add a new IP address by running the following custom command:
ip_add ipaddress username password

```
[e3admin@localhost] ip_add 216.170.180.93 e3admin Pa$$w0rd
```

Remove an IP address by running the following custom command:
ip_del ipaddress

```
[e3admin@localhost] ip_del 216.170.180.93
```

-- End of Linux Documentation --

<< PRTG Documentation >>

-- Adding a Device --

1 - Enter a desired name for device under “Device Name”.
2 - Select “Connect using IPv4” under “IP Version”.
3 - Under “IP Address/DNS Name”, enter the linux server’s IP address.
4 - Set “Sensor Management” to “Manual (no discovery)”.
5 - Make sure “Credentials for Linux/Solaris/Mac OS (SSH/WBEM) Systems” is selected.
6 - Click “Continue” to go to add the new device.

-- Adding a Custom Sensor --

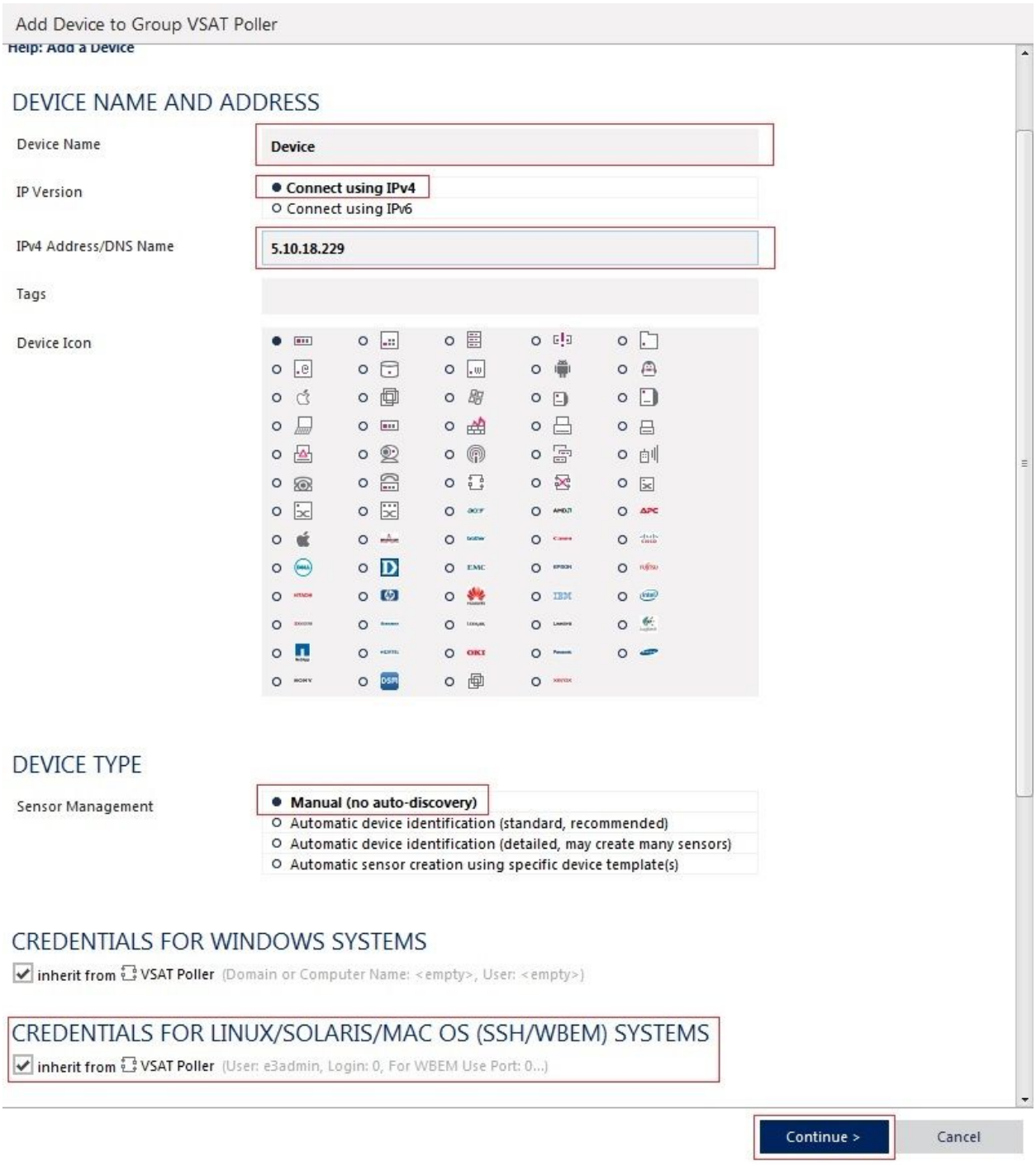
1 - Under “Monitor What?” select “Custom Sensors”.
2 - Under “Target System Type” select “Linux/MacOS”.
3 - Select “SSH Script Advanced” and click “Add This”.
4 - Enter desired sensor name under “Sensor Name”.
5 - Select relevant script from drop down list under “Script”.
6 - Enter the IP address that will be monitored under “Parameters”.
7 - Click “Continue” to go to add the new custom sensor.

-- Adding a Custom Map Object --

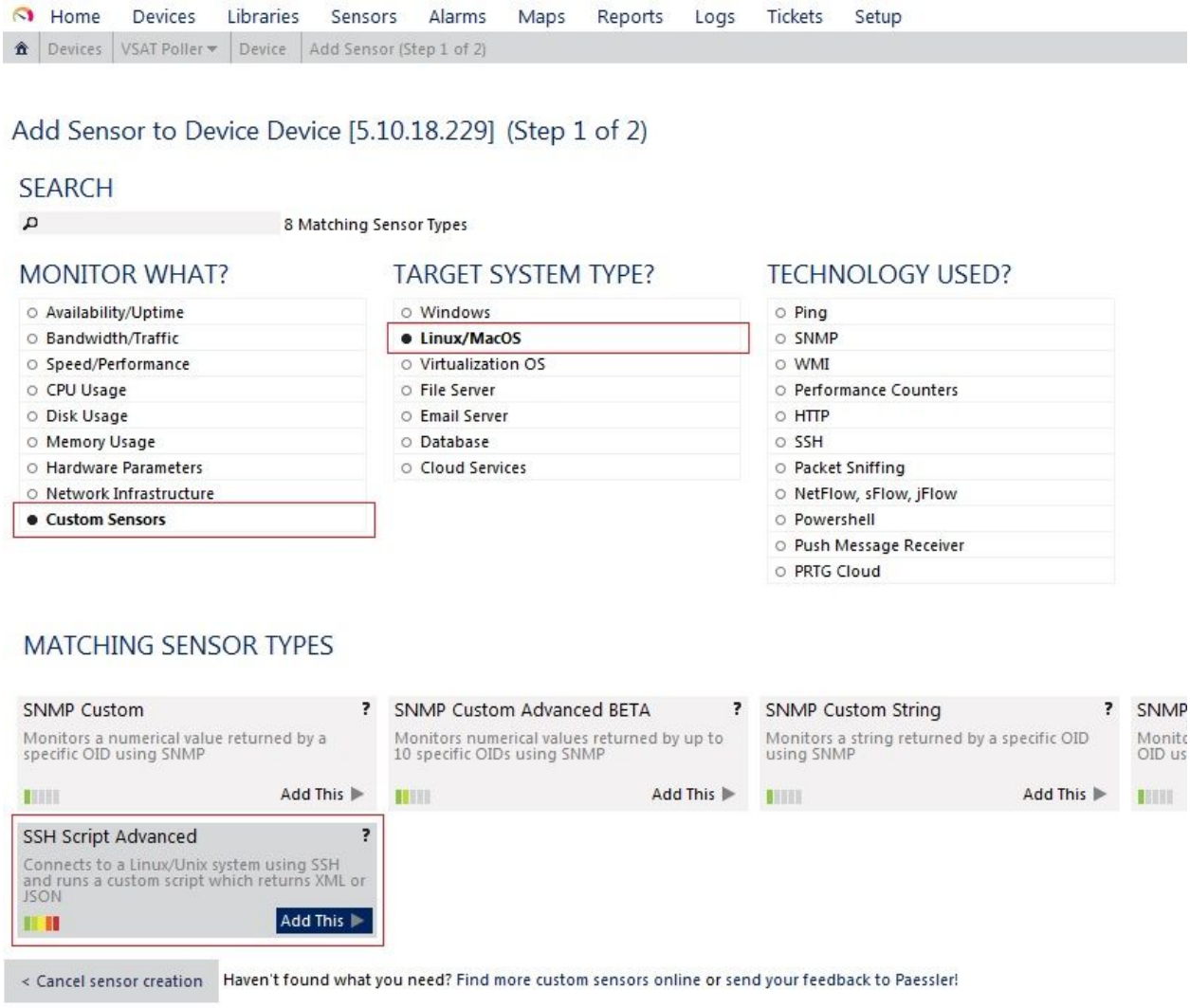
1 - Select the sensor created from the previous steps from the “Device Tree” on the left side.
2 - Select the “Status Icons” list from the “Properties” section on the right side.
3 - Find the desired custom map object “custom_message_e3systems” and drag to the map.

-- Instructional screenshots provided on next pages --

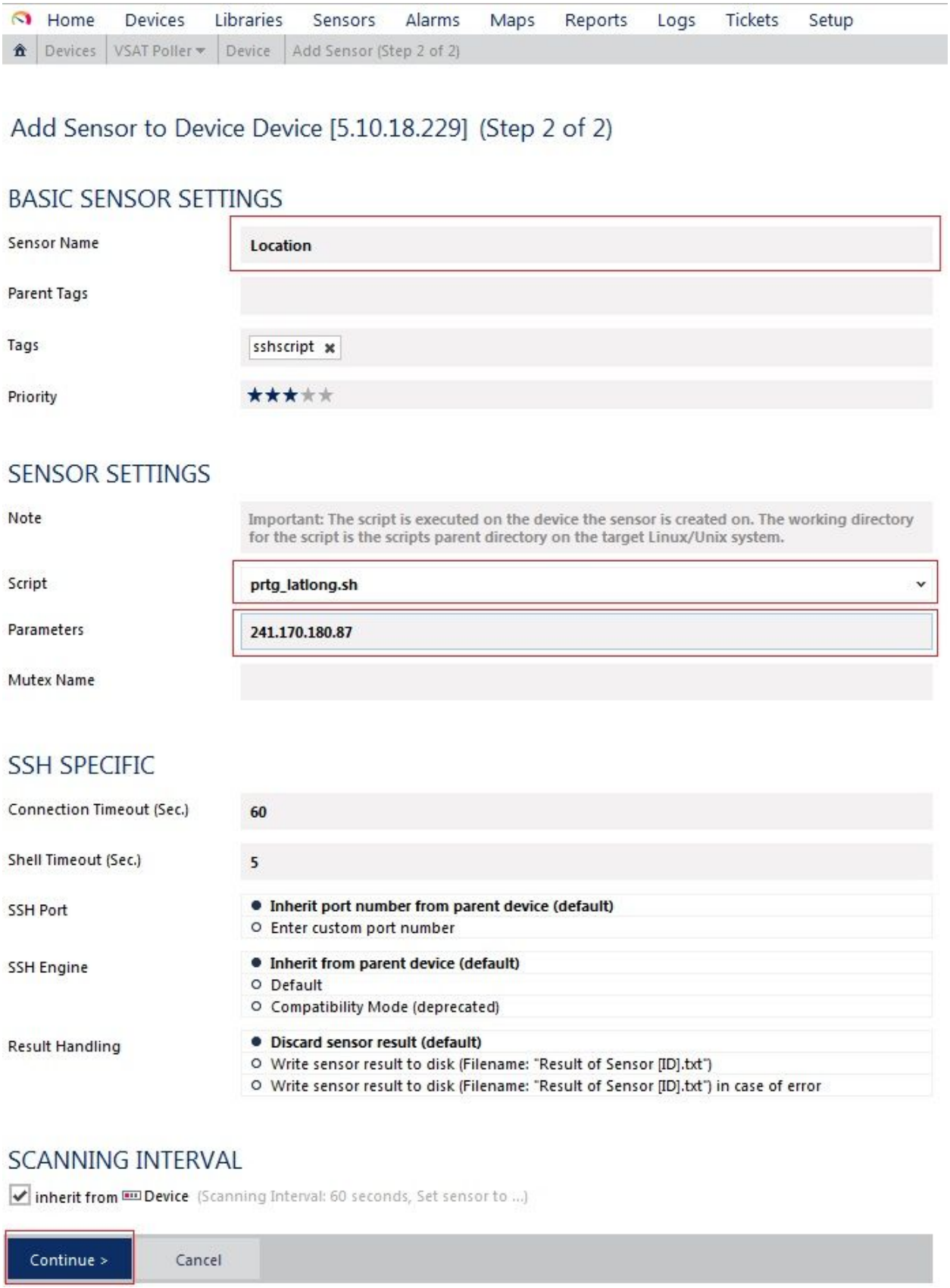
-- Adding a Device --



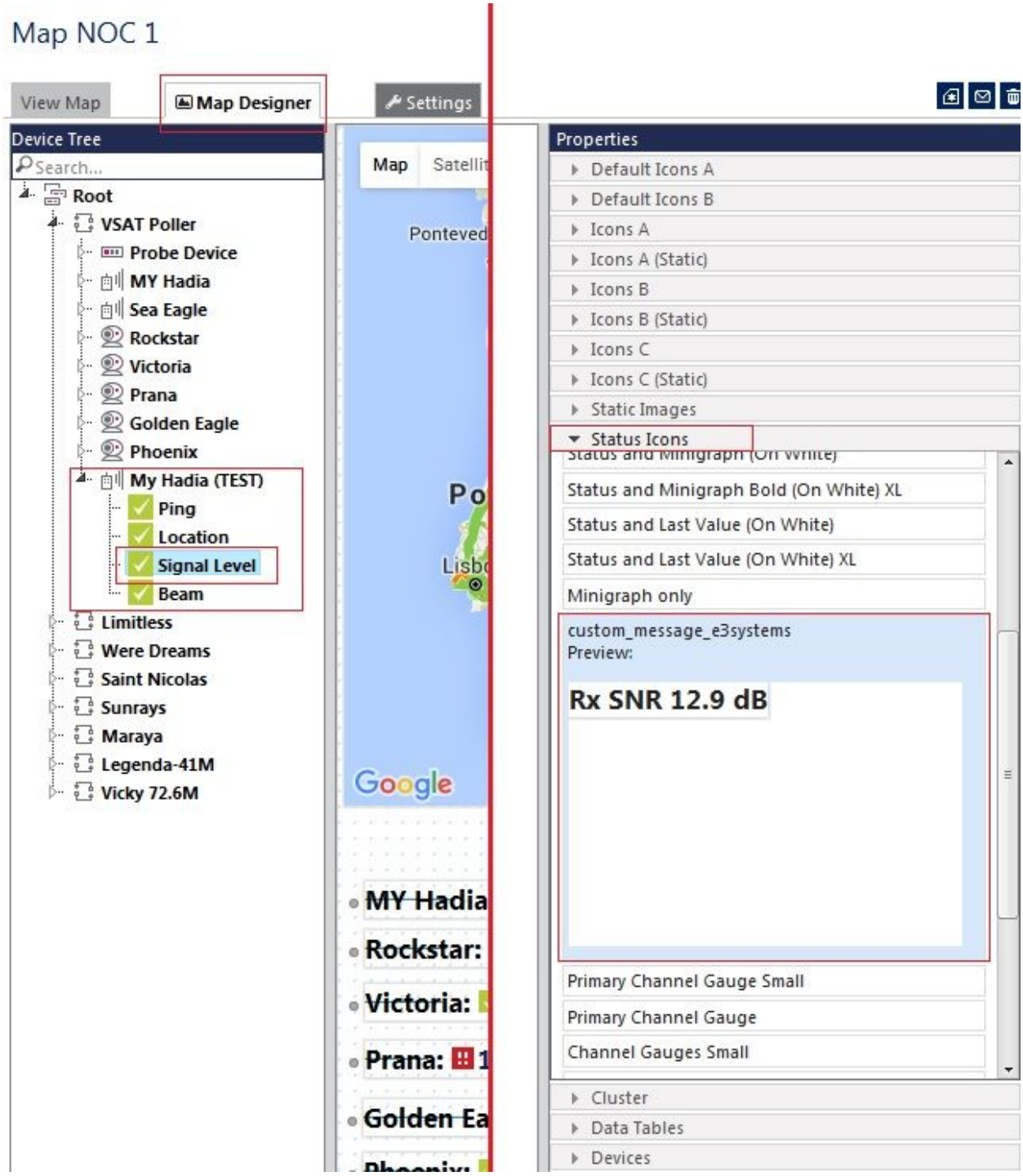
-- Adding a Custom Sensor --



-- Adding a Custom Sensor continued on next page --


Home
Devices
Libraries
Sensors
Alarms
Maps
Reports
Logs
Tickets
Setup
Devices
VSAT Poller
Device
Add Sensor (Step 2 of 2)
Add Sensor to Device Device [5.10.18.229] (Step 2 of 2)
BASIC SENSOR SETTINGS
Sensor Name
Location
Parent Tags
Tags
sshscript
Priority
SENSOR SETTINGS
Note
Important: The script is executed on the device the sensor is created on. The working directory for the script is the scripts parent directory on the target Linux/Unix system.
Script
prtg_latlong.sh
Parameters
241.170.180.87
Mutex Name
SSH SPECIFIC
Connection Timeout (Sec.)
60
Shell Timeout (Sec.)
5
SSH Port
Inherit port number from parent device (default)
Enter custom port number
SSH Engine
Inherit from parent device (default)
Default
Compatibility Mode (deprecated)
Result Handling
Discard sensor result (default)
Write sensor result to disk (Filename: "Result of Sensor [ID].txt")
Write sensor result to disk (Filename: "Result of Sensor [ID].txt") in case of error
SCANNING INTERVAL
inherit from Device (Scanning Interval: 60 seconds, Set sensor to ...)
Continue >
Cancel

-- Adding a Custom Map Object --



-- End of PRTG Documentation --